

**APPLICATION DATA SHEET  
UNDER 37 CFR §1.76**

(1) Inventor Information

Inventor One Given Name:: Noboru  
Family Name:: Kuriyama  
Postal Address Line One:: 6-643, Minaminagatsuda-Danchi  
Postal Address Line Two:: 3016 Nagatsudacho, Midori-ku  
City:: Yokohama-shi, Kanagawa  
State or Province:: Japan  
Postal or ZIP Code:: 226-0026  
Citizenship Country:: Japan  
Residence:: Yokohama-shi, Kanagawa, Japan

(2) Assignee Information

Name Line One:: Shibaura Mechantronics Corporation  
Address Line One:: 5-1, Kasama 2-chome, Sakae-ku  
City:: Yokohama-shi, Kanagawa-ken  
State or Province:: Japan  
Postal or ZIP Code:: 247-8610

(3) Correspondence Information

Customer No.: 3624  
Name Line One:: Robert J. Ballarini  
Name Line Two:: Volpe and Koenig, P.C.  
Telephone No.: 215-568-6400

(4) Application Information

Title Line One:: METHOD OF DETECTING AN ARC IN A GLOW  
Title Line Two:: DISCHARGE DEVICE AND APPARATUS FOR  
Title Line Three:: CONTROLLING A HIGH-FREQUENCY ARC  
Title Line Four:: DISCHARGE  
Total Drawing Sheets:: 4  
Drawing Type:: Formal  
Application Type:: Utility  
Docket No.: SAS2-PT072

(5) Representative Information

Representative Customer No.: 3624

(6) Domestic Priority Information

This application is a:: Continuation of  
Application One:: PCT/JP02/10174  
Filing Date:: September 30, 2002

(7) Foreign Priority Information

Foreign Application One:: 2001-323977  
Filing Date:: October 22, 2001  
Country:: Japan  
Priority Claimed:: YES